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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/451,269	11/30/1999	MARTINUS J. TOPS	PHN.17.186	8816

7590 02/28/2002

US PHILIPS CORPORATION  
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EXAMINER

ZIMMERMAN, GLENN

ART UNIT

PAPER NUMBER

2879

DATE MAILED: 02/28/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	09/451,269	TOPS ET AL.
	Examiner Glenn Zimmerman	Art Unit 2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-10 is/are pending in the application.
  - 4a) Of the above claim(s) 7-10 is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-6 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) 1-10 are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on November 30, 1999 is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.
 

If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_.

## DETAILED ACTION

### *Election/Restrictions*

Applicant's election of claims 1-6 in Paper No. six is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

### *Drawings*

Figures 1,2,3 and 4A should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "52" has been used to designate both groove and hook. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description: References 54 and 63. A proposed drawing correction, corrected drawings, or

amendment to the specification to add the reference sign(s) in the description, are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

### ***Specification***

The following guidelines illustrate the preferred layout and content for patent applications. These guidelines are suggested for the applicant's use.

#### **Arrangement of the Specification**

The following order or arrangement is preferred in framing the specification and, except for the reference to the drawings, each of the lettered items should appear in upper case, without underling or bold type, as section headings. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) Title of the Invention.
- (b) Cross-Reference to Related Applications.
- (c) Statement Regarding Federally Sponsored Research or Development.
- (d) Reference to a "Sequence Listing," a table, or a computer program listing appendix submitted on compact disc (see 37 CFR 1.52(e)(5)).
- (e) Background of the Invention.
  - 1. Field of the Invention.
  - 2. Description of the Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (f) Brief Summary of the Invention.
- (g) Brief Description of the Several Views of the Drawing(s).
- (h) Detailed Description of the Invention.
- (i) Claim or Claims (commencing on a separate sheet).
- (j) Abstract of the Disclosure (commencing on a separate sheet).
- (k) Drawings.
- (l) Sequence Listing, if on paper (see 37 CFR 1.821-1.825).

### ***Claim Objections***

Claim 1 is objected to because of the following informalities: Claim 1 recites the limitation "the current-supply wire" in page 7 line 3. The examiner wonders if the

applicant meant --a current-supply wire--. On page 7 line 4, the claim states "which flange". The examiner wonders if the applicant meant --which said flange--. Appropriate correction is required.

Claim 2 is objected to because of the following informalities: On page 7 line 8, the wording "the beginning is" is used. The examiner wonders if the applicant meant -- the beginning of said current-supply wire or said current-supply wires is--. Appropriate correction is required.

Claim 4 is objected to because of the following informalities: Claim 4 recites the limitation "the current-supply wire" in page 7 line 16. The examiner wonders if the applicant meant --a current-supply wire--. The claim states "which deflection coil" on page 7 line 15. It is wondered if the applicant meant "which said deflection coil". On page 7 line 17, the claim states "which flange". The examiner wonders if the applicant meant --which said flange--. Appropriate correction is required.

Claim 5 is objected to because of the following informalities: On page 7 line 21, the wording "the beginning is" is used. The examiner wonders if the applicant meant -- the beginning of said current-supply wire or said current-supply wires is--. Appropriate correction is required.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Renders et al. U.S. Patent 4,078,301.

Regarding claim 1, Renders et al. disclose a cathode ray tube (**col. 1 lines 4-7**) with a deflection unit (**col. 1 lines 4-7**) comprising a saddle-shaped deflection coil (**Fig. 2c**) with a flange (**ref. 19 and 21**), said deflection coil flaring out in a fan-shaped manner from a rear end to a front end (**Fig. 2c**), characterized in that the beginning of the current-supply wire or current-supply wires is largely detached from the flange (**ref. 11 and 15**), which flange does not exhibit an impression of the beginning of the current-supply wire or current-supply wires at the location where said beginning is detached from the flange (**Fig. 2a, 2b, 2c and 2d; col 2 lines 13-43**). Figure 2a shows the coil after winding. Figure 2c shows the coil after folding and heating (**col. 2 lines 40-43**). In none of these method of manufacturing drawings (**Fig. 2a, 2b, 2c and 2d**) are the beginning current-supply wires (**ref. 11 and 15**) shown as even touching the flange, so no impression could be exhibited.

Referring to claim 2, Renders et al. disclose a cathode ray tube as claimed in claim 1, characterized in that the beginning is attached to the flange over a length L which is 1/6 to 1/3 of a width D of the flange. The value D could be any number of measurement values of the two flanges (**Fig. 2c ref. 19 and 21**). The beginnings of the current-supply wires (**ref. 15 and 11**) are attached to the flange (**ref. 21**) over a length L which is 1/6 to 1/3 of a width D of the flange. Choosing the flange (**Fig. 2c ref. 21**) width D to be the distance of the flange from the left to the right side of the drawing

yields a measurement of 37mm. References 11 and 15 are attached to the flange through the coil windings at a total of 8mm, which yields 8/37, which is between 1/6 to 1/3 of a width D of the flange.

Regarding claim 3, Renders et al. disclose a cathode ray tube as claimed in claim 1, characterized in that the deflection coil is formed by winding a plurality of wires (**Fig. 2a, 2b, 2c and 2d; col. 2 lines 14-18**). 35 turns of copper wire could be considered numerous turns by copper wire sections which would be the same as winding a plurality of wires.

Claim 4 is rejected for the same reason as claim 1.

Claim 5 rejected for the same reason as claim 2.

Claim 6 is rejected for the same reason as claim 3.

### ***Conclusion***

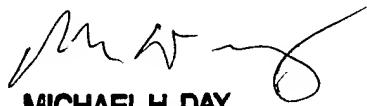
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kobayashi et al. U.S. Patent 4,445,101 discloses Deflecting Yoke Assembly For Making A Trapezoidal Raster. Ikeuchi U.S. Patent 5,446,432 disclose a Saddle Type Deflection Coil. Renders et al. U.S. Patent 4,152,685 disclose a Deflection Coil For A Cathode Ray Tube.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Glenn Zimmerman whose telephone number is (703) 308-8991. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (703) 305-4794. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7382 for regular communications and (703) 308-7382 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is n/a.

  
Glenn Zimmerman  
February 21, 2002

  
MICHAEL H. DAY  
PRIMARY EXAMINER